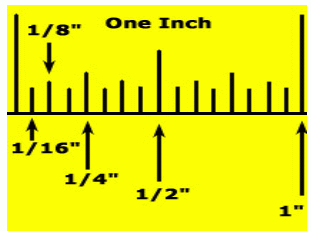
Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6th Grade Math Benchmark Test #4

1. Five mm is \_\_\_\_\_\_\_\_\_\_ cm. (4.2b)
2. 2000 m is \_\_\_\_\_\_\_\_\_\_\_ km. (4.2b)
3. 2 pounds is \_\_\_\_\_\_\_\_\_\_\_ ounces. (4.2b)

4. What is the most precise measurement possible with this ruler? (4.2a)



a. 1/8 inch b. 1 inch c. ½ inch d. 1/16 inch

5. What unit is more precise? A. mm B. m c. mm d. km (4.2a)

6. T or F When shopping, you can estimate the total cost to make sure you have enough money. ((4.2d)

7. T or F When paying the store clerk, one must be precise and pay the exact amount. (4.2d)

8. A meter is about the same length as a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in the customary system. (4.2c)

9. A quart is about the same amount as a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in the metrics system. (4.2c)

10. 6 + -6 = \_\_\_\_\_\_\_\_\_\_ (1.2e)

11. -5 + -6 = \_\_\_\_\_\_\_\_\_\_ (1.6c)

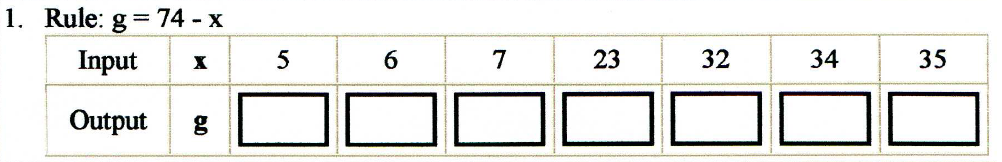
12. 9-12 = \_\_\_\_\_\_\_\_\_\_\_ (1.6c)

13. Graph y= 2x, by assigning -1 through 1 for x. (Draw chart and coordinate graph below.) (2.1a) (2 questions—one for the points, one for the graph.)

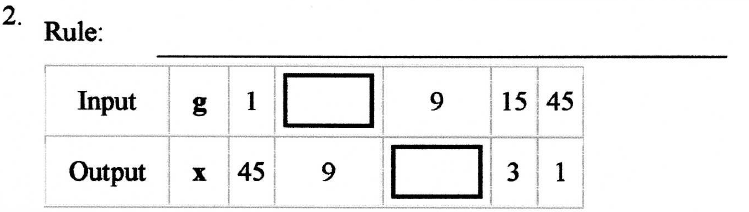
14. You are the company President, and you want to prove to your stockholders that sales increased dramatically between November and December. All four graphs contain the same information. Which graph would you use? (5.1d)

|  |  |  |
| --- | --- | --- |
| A. alesa_resize.gif |  | B. alesb_resize.gif |
| C. alesc_resize.gif |  | D. alesd_resize.gif |

1. Plot the following: (-1, -5), (0,3), (1,-1), (2,1) (2.1b)
2. Which one of the following equations represents the points listed above? (2.1b)
3. 3x + 2
4. 2x – 3
5. x - 0
6. 2x
7. Complete the table below applying the rule. (2.1a)

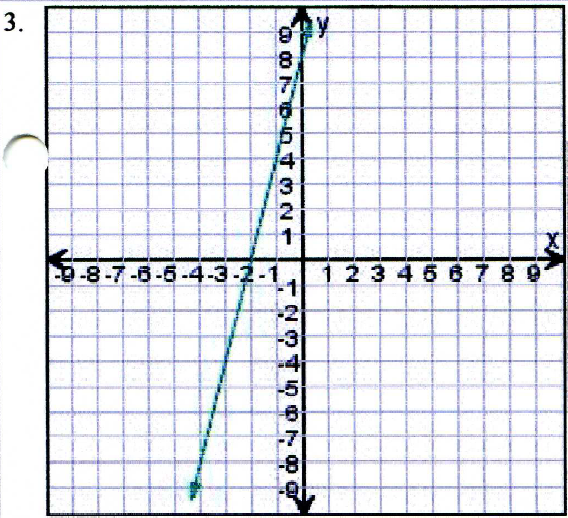


18. Complete the table below and write the rule. (2.1b)

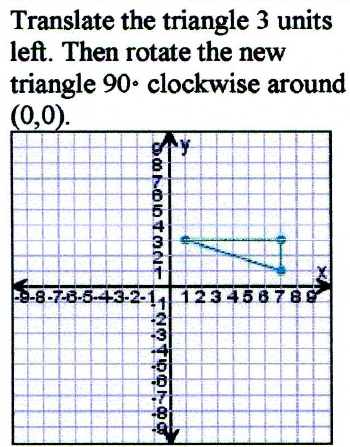


19. Complete the table below using the line on the coordinate plane. (2.1b)

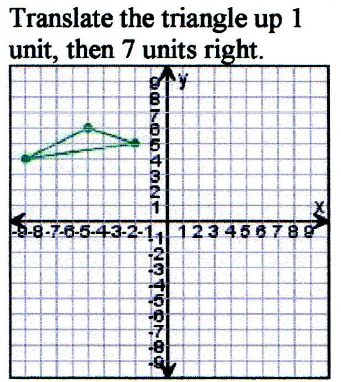
|  |  |
| --- | --- |
| y = 8 + 4x | |
| x | y |
| -3 |  |
| -2 |  |
| -1 |  |
| 0 |  |
| 1 |  |



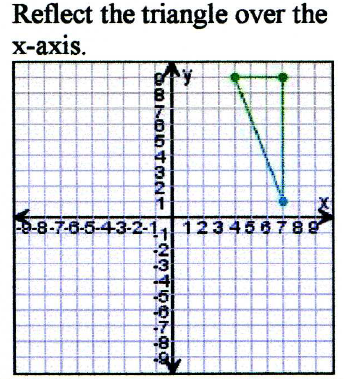
20. Follow the directions below. (3.2a)



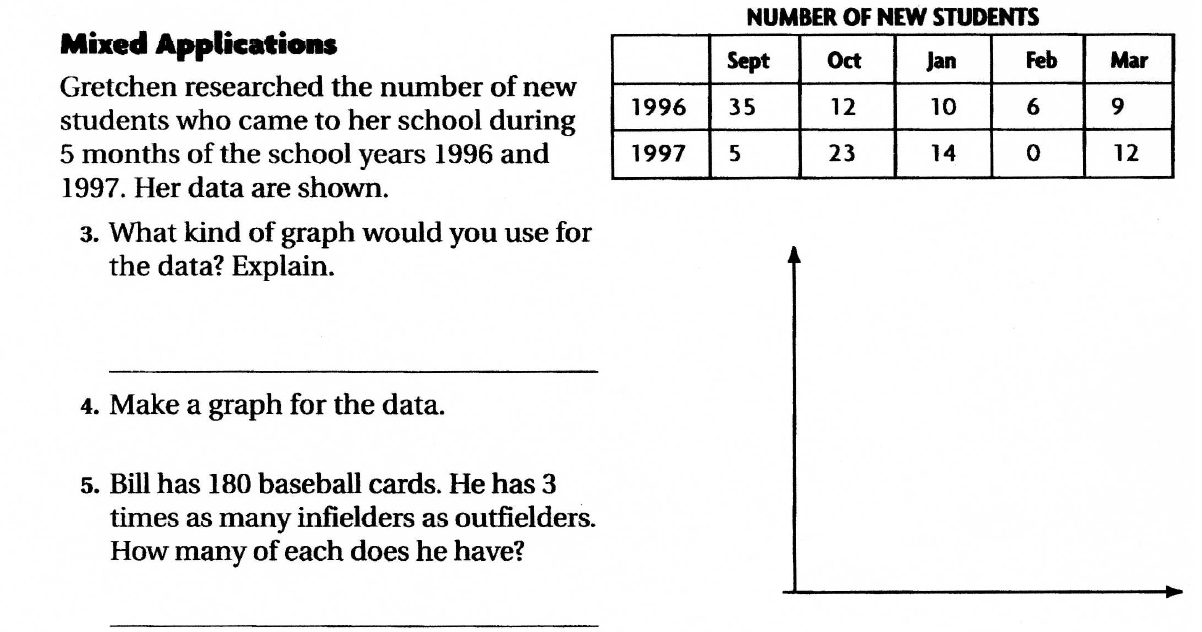
21. Follow the directions below. (3.2b)



22. Follow the directions below. (3.2c)



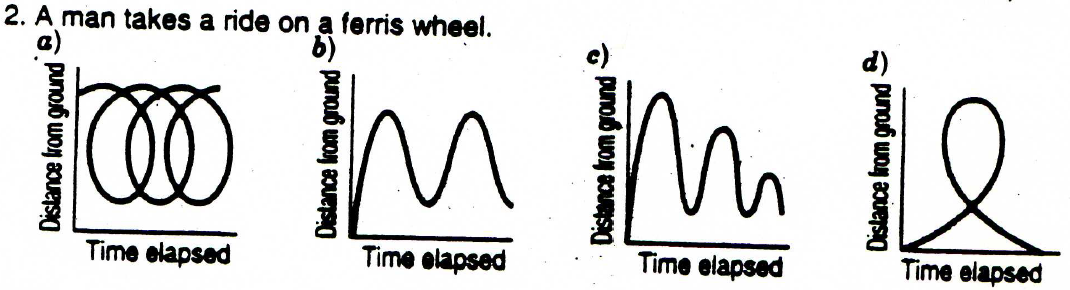
23. Read the passage below and answer the questions using the table on the right. (5.1a)



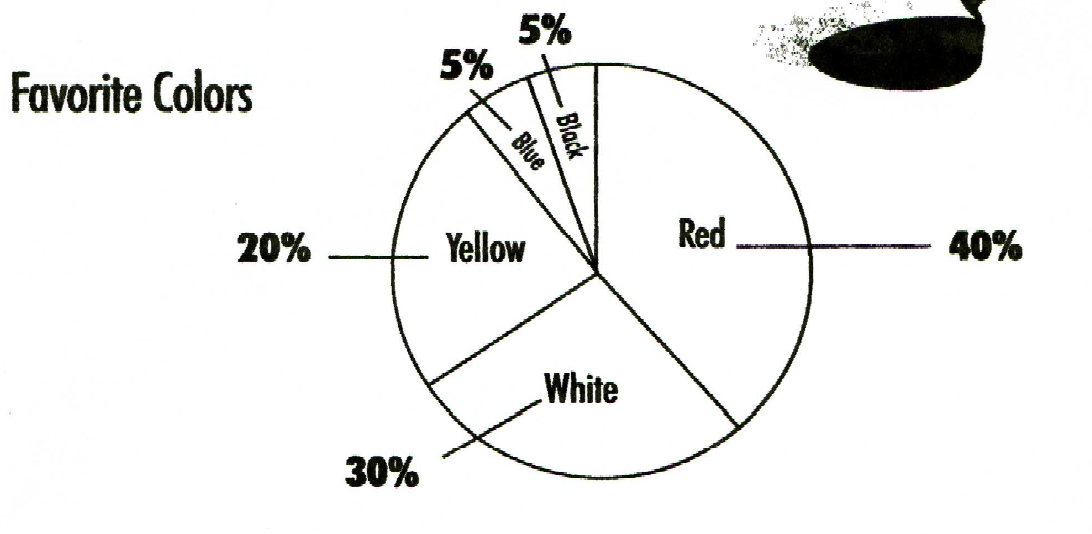
24. Bill needs to report the car’s monthly sales. He wants the graph to reflect a major increase from October to December. Should he use a small scale or a large scale when creating his graph? (5.1d)

a. small

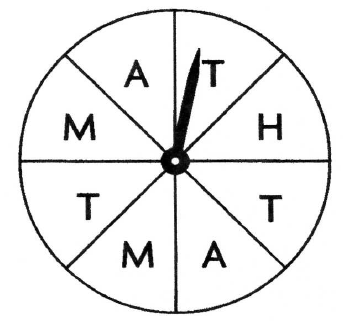
b. large

25. Which graph represents the following scenario: (5.1e)

26. Refer to the circle graph below. True or False? More than half of the people who voted didn’t choose red. (5.1b) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_



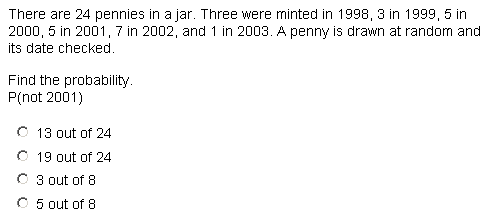
For questions 27-28, use the spinner below. Find each probability on a single spin. (5.2a)



27. P(H):\_\_\_\_\_\_\_\_\_\_\_\_

28. P(M or A):\_\_\_\_\_\_\_\_\_\_\_\_\_

29. (5.2c)



30. (5.2b)

